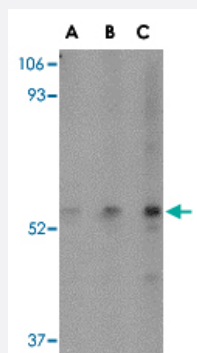


# SP110 polyclonal antibody

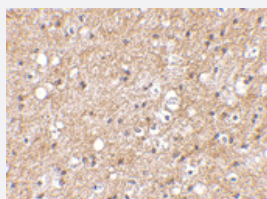
Catalog # PAB13317      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of SP110 in HeLa cell lysate with SP110 polyclonal antibody (Cat # PAB13317) at (A) 0.5, (B) 1, and (C) 2 ug/mL .



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human brain tissue using SP110 polyclonal antibody (Cat # PAB13317) at 2.5 ug/mL .

## Specification

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of SP110.                          |
| <b>Immunogen</b>           | A synthetic peptide corresponding to C-terminus 15 amino acids of human SP110.                 |
| <b>Host</b>                | Rabbit                                                                                         |
| <b>Reactivity</b>          | Human, Mouse, Rat                                                                              |
| <b>Form</b>                | Liquid                                                                                         |
| <b>Recommend Usage</b>     | Western Blot (1-2 ug/mL)<br>The optimal working dilution should be determined by the end user. |

|                     |                                                                                                                         |
|---------------------|-------------------------------------------------------------------------------------------------------------------------|
| Storage Buffer      | In PBS (0.02% sodium azide)                                                                                             |
| Storage Instruction | Store at 4°C for three months. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |

## Applications

- Western Blot (Cell lysate)

Western blot analysis of SP110 in HeLa cell lysate with SP110 polyclonal antibody (Cat # PAB13317) at (A) 0.5, (B) 1, and (C) 2 ug/mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human brain tissue using SP110 polyclonal antibody (Cat # PAB13317) at 2.5 ug/mL .

## Gene Info — SP110

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">3431</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Accession# | <a href="#">NP_004501</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Name          | SP110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Alias         | FLJ22835, IFI41, IFI75, IPR1, VODI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Description   | SP110 nuclear body protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Omim ID            | <a href="#">235550</a> <a href="#">604457</a> <a href="#">607948</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Summary       | The nuclear body is a multiprotein complex that may have a role in the regulation of gene transcription. This gene is a member of the SP100/SP140 family of nuclear body proteins and encodes a leukocyte-specific nuclear body component. The protein can function as an activator of gene transcription and may serve as a nuclear hormone receptor coactivator. In addition, it has been suggested that the protein may play a role in ribosome biogenesis and in the induction of myeloid cell differentiation. Alternative splicing has been observed for this gene and three transcript variants, encoding distinct isoforms, have been identified. [provided by RefSeq] |
| Other Designations | interferon-induced protein 41, 30kD interferon-induced protein 75, 52kD phosphoprotein 41 phosphoprotein 75 transcriptional coactivator Sp110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Publication Reference

- [Sp110 transcription is induced and required by Anaplasma phagocytophilum for infection of human promyelocytic cells.](#)

de la Fuente J, Manzano-Roman R, Blouin EF, Naranjo V, Kocan KM.

BMC Infectious Diseases 2007 Sep; 7:110.

- [lpr1 gene mediates innate immunity to tuberculosis.](#)

Pan H, Yan BS, Rojas M, Shebzukhov YV, Zhou H, Kobzik L, Higgins DE, Daly MJ, Bloom BR, Kramnik I.

Nature 2005 Apr; 434(7034):767.

- [Sp110 localizes to the PML-Sp100 nuclear body and may function as a nuclear hormone receptor transcriptional coactivator.](#)

Bloch DB, Nakajima A, Gulick T, Chiche JD, Orth D, de La Monte SM, Bloch KD.

Molecular and Cellular Biology 2000 Aug; 20(16):6138.

Application: IF, IHC, WB-Tr, Human, HEp-2, NB4 cells

## Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Tuberculosis](#)
- [Viremia](#)